

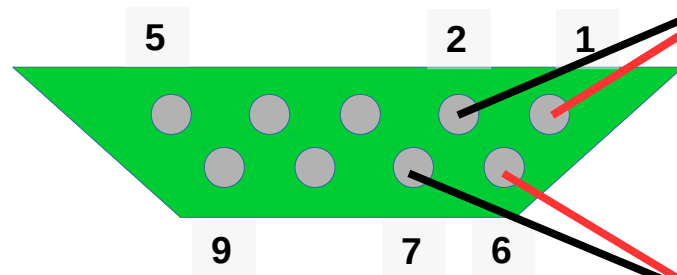
SNAPv2 input power cable for HERA applications

Chassis front panel

D-Sub 9 pin standard connector, straight, 9 pin, plug(male), solder cup, 4000 pF Pi filtered, 5Amp limit per pin
API tech : 56F701-015
Exterior / front mount connector
Mouser PN: 657-56F701-015 \$39.72 (at QTY=25)

^Cut off pins 2 and 5 at the socket(female) connector.
Solder wires to the solder cups as listed in the Wiring table below.
See pictures on pages 3 and 4.

D-Sub 9 pin plug(male) solder cups



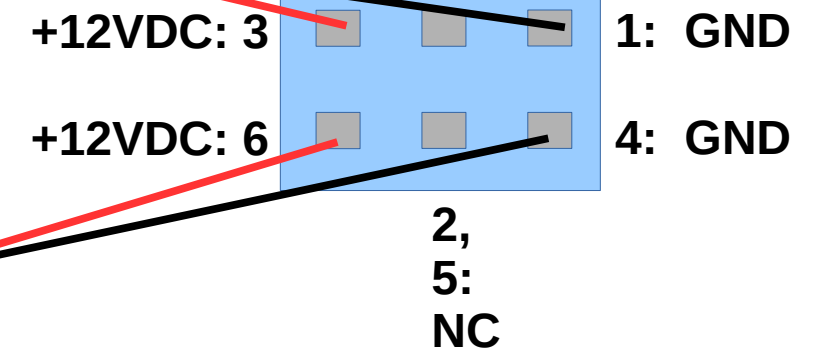
10 inch lon 22 AWG twisted pair 1

Sample wire part numbers:
Alpha Wire: 892219 RD005 and
Alpha Wire: 892219 BK005

10 inch lon 22 AWG twisted pair 2

Power cable assembly socket housing wire/socket install side

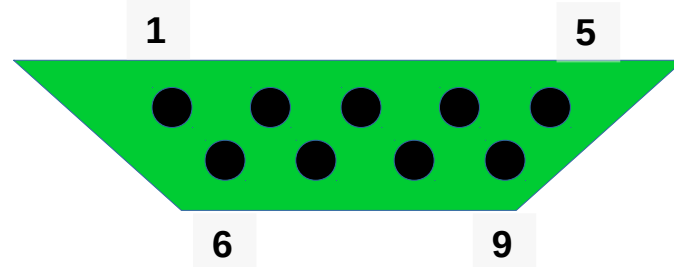
Molex 39-03-9162
Mouser PN: 538-39-03-9162 \$0.99 (at QTY=10)
Socket pins: Molex 39-00-0208
Mouser PN: 538-39-00-0208 \$0.127 (at QTY=100)



D-Sub 9 pin waved Beryllium copper RFI gasket
API Tech, Spectrum Control: 572019-00100-70
Mouser PN: 657-572019-100-70 25 \$1.40 (at QTY=35.00)

For reference only:

D-Sub 9 pin plug(male) connector
Mating face (not solder cups)
at exterior of chassis



Wiring table. 22 AWG copper wires. Length 10 inches

Twisted pair 1

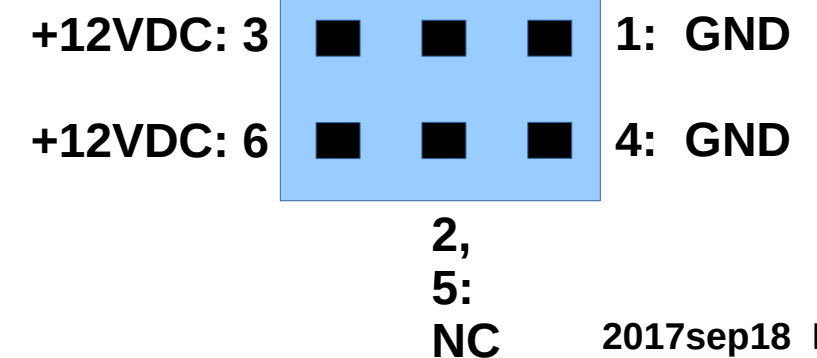
+12VDC: D-Sub 9p plug: pin 1 PCIe socket pin 3
GND: D-Sub 9p plug: pin 2 PCIe socket pin 1

Twisted pair 2

+12VDC: D-Sub 9p plug: pin 6 PCIe socket pin 6
GND: D-Sub 9p plug: pin 7 PCIe socket pin 4

For reference only:

SNAPv2 J2 plug(male)
mating face
Molex 39-30-1060.
Mouser PN: 538-39-30-1060 \$0.76 (at QTY=10)



SNAPv2 input power cable for HERA applications

Bill of materials (non-Amazon.com option):

Item 1: QTY=1	D-Sub 9 pin standard connector, straight, 9 pin, plug(male), solder cup, 4000 pF Pi filtered, 5Amp limit per pin.	API tech : 56F701-015
Item 2: QTY=1	D-Sub 9 pin waved Beryllium copper RFI gasket	API Tech, Spectrum Control: 572019-00100-70
Item 3: QTY=10 inches	Red 22 AWG copper wire with PVC jacket	Alpha Wire: 892219 RD005
Item 4: QTY=10 inches	Black 22 AWG copper wire with PVC jacket	Alpha Wire: 892219 BK005
Item 5: QTY=1	6 pin socket connector housing	Molex 39-03-9162
Item 6: QTY=4	socket connector	Molex 39-00-0208

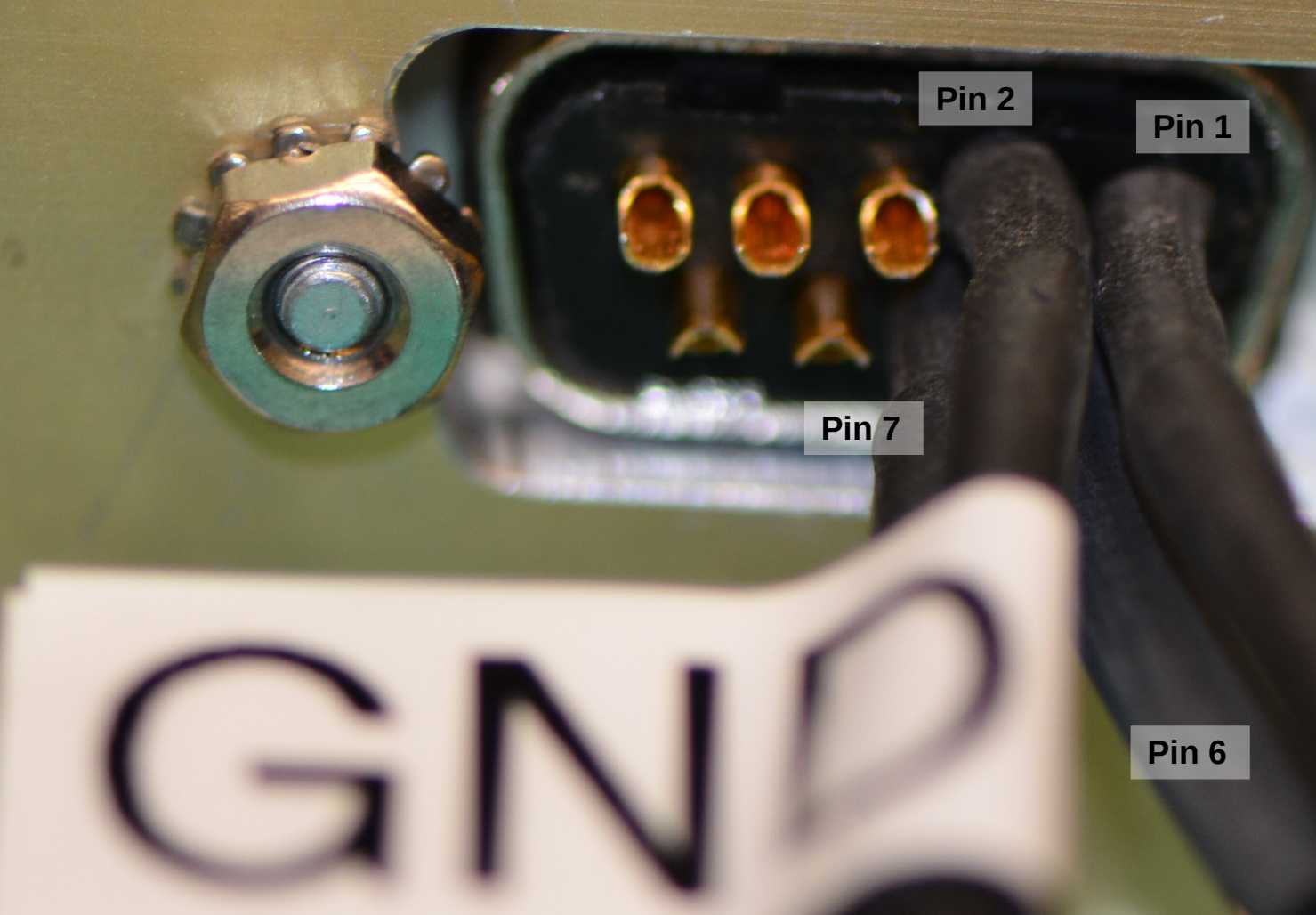
Bill of materials Amazon.com option:

Item 1: QTY=1	D-Sub 9 pin standard connector, straight, 9 pin, plug(male), solder cup, 4000 pF Pi filtered, 5Amp limit per pin.	API tech : 56F701-015
Item 2: QTY=1	D-Sub 9 pin waved Beryllium copper RFI gasket	API Tech, Spectrum Control: 572019-00100-70
Item 3: QTY=1	PCIe cable assembly, 10 inch long	Amazon.com ASIN: B01DV1Z4EQ

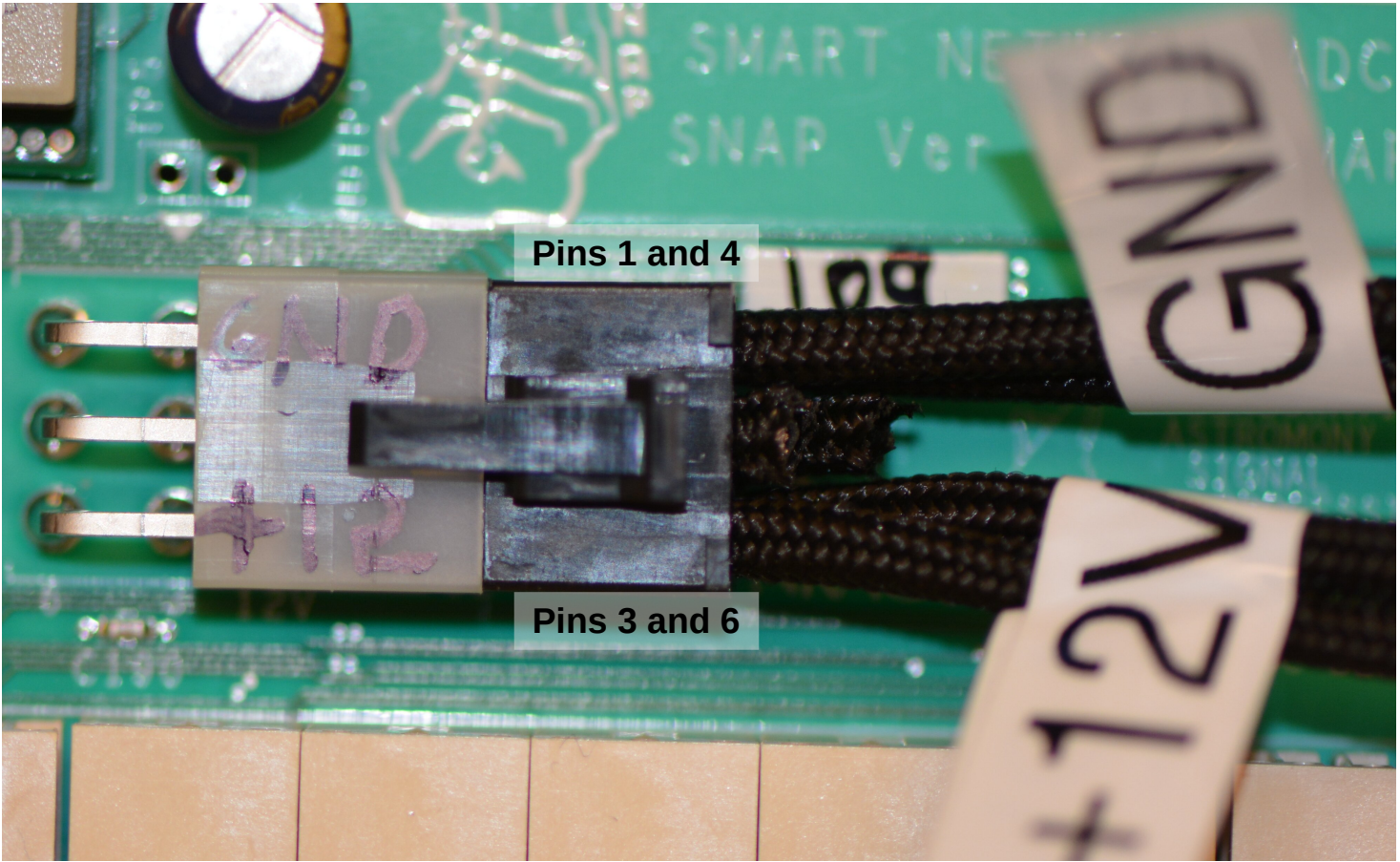
SNAPv2 input power cable for HERA applications

Amazon.com option: ASIN B01DV1Z4EQ
Cut off all 6 wires at the plug(male) connector.
Cut off pins 2 and 5 at the socket(female) connector.
Solder wires to the solder cups as listed in the wiring table shown on page 1 and shown below.

Connections at the externally/face mounted
filtered D-Sub 9 pin connector.
View is from the insides of the chassis.
Pins 1 and 6 are +12V
Pins 2 and 7 are GND
All other pins are Not Connected.



Soldering at the externally mounted
filtered D-Sub 9 pin connector.
Pins 3 and 6 are +12V
Pins 1 and 4 are GND
Pins 2 and 5 are Not Connected.



SNAPv2 input power cable for HERA applications

